

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. – 11. (Cancelled)

12. (Currently Amended) A ~~sheet~~garment for measuring biological information formed of a nonconductive material having elasticity so as to fit on the upper body of an examinee,

the ~~sheet~~garment being characterized in having respiratory information measuring sensors, each of said sensors including a conductive member varying its electric resistance according to variation of constitution of the examinee through breathing thereof under a turning-on-electricity state and capable of delivering electric information based on the variation of electric potential to a respiratory information analysis device,

wherein:

a portion of the plurality of respiratory information measuring sensors is disposed at a perimeter of a chest region and another portion of the plurality of respiratory information measuring sensors is disposed at a perimeter of an abdominal region of the garment,

electric resistance of the plurality of respiratory information measuring sensors varies with expansion and contraction of one of the length and cross-section of the conductive member in response to the examinee's breathing,

the conductive member of each of the respective plurality of respiratory information measuring sensors is arranged at either a position winding around a chest region of the examinee and a position winding around an abdominal region of the examinee, and

the respiratory information analysis device selects at least one output of at least one sensor in the chest region and the abdominal region based on the amplitude of output of these sensors, and

the output of the selected sensors is used for analysis and the output of unselected sensor is not used for analysis.

13. (Cancelled)

14. (Currently Amended) The biological information measuring ~~sheetgarment~~ according to claim 12,

wherein for the respiratory information measuring sensor, electric influence under a turning-on-electricity state to the examinee is decreased by covering a surface of the conductive member facing the body surface of the examinee and an opposed surface thereof with a nonconductive material.

15. (Canceled)

16. (Currently Amended) A respiratory information analysis system comprising a ~~sheetgarment~~ and a respiratory information analysis device,

the ~~sheetgarment~~ for measuring biological information formed of a nonconductive material having elasticity so as to fit on the upper body of an examinee,

the ~~sheetgarment~~ being characterized in having a respiratory information measuring sensors, each of said sensors including a conductive member varying its electric resistance according to variation of constitution of the examinee through breathing thereof under a turning-on-electricity state and capable of delivering electric information based on the variation of electric potential to a respiratory information analysis device,

wherein:

a portion of the plurality of respiratory information measuring sensors is disposed at a perimeter of a chest and another portion of the plurality of respiratory information measuring sensors is disposed at a perimeter of an abdominal region of the garment,

electric resistance of the plurality of respiratory information measuring sensors varies with expansion and contraction of one of the length and cross-section of the conductive member in response to the examinee's breathing,

the conductive member of each of the respective plurality of respiratory information measuring sensors is arranged at either a position winding around a chest region of the examinee and a position winding around an abdominal region of the examinee, and

the respiratory information analysis device selects at least one output of at least one sensor in the chest region and abdominal region based on the amplitude of output of these sensors, and

the output of the selected sensors is used for analysis and the output of unselected sensor is not used for analysis,

the respiratory information analysis device comprising:

electric information acquisition means for acquiring information on electricity delivered from the respiratory information measuring sensors;

electric information comparison means for comparing a plurality of the acquired electric information;

electric information selection means for selecting the respiratory information measuring sensor detecting a larger amplitude as electric potential information to be based on an output of respiratory information in accordance with the comparison result of the electric information comparison means;

respiratory information analysis means for judging a variation cycle of the electric information detected with the respiratory information measuring sensors selected by the electric information selection means and analyzing respiratory information in accordance with the variation cycle; and

respiratory information output means for outputting respiratory information data in accordance with the analyzed respiratory information.

17. (Currently Amended) A respiratory information analysis device comprising:

electric information acquisition means for acquiring electrical information delivered from a plurality of respiratory information measuring sensors, said sensor arranged on a ~~sheet~~garment for measuring biological information;

electric information comparison means for comparing a plurality of amplitudes of the acquired electric information;

electric information selection means for selecting the respiratory information measuring sensors detecting a larger amplitude as electric information to be based on an output of respiratory information in accordance with the comparison result of the electric information comparison means;

respiratory information analysis means for judging a variation cycle of the electric information detected with the respiratory information measuring sensors selected by the electric information selection means and analyzing respiratory information in accordance with the variation cycle; and

respiratory information output means for outputting respiratory information data in accordance with the analyzed respiratory information,

wherein the respiratory information measuring sensors are disposed at a perimeter of the chest and a perimeter of the abdominal in the garment,

wherein electric resistance of the respiratory information measuring sensor varies with expansion and contraction of one of the length and cross-section of conductive member in response to the examinee's breathing,

wherein the conductive member of the respiratory information measuring sensors are arranged at a position winding around vicinity of chest of the examinee and a position winding around vicinity of abdominal of the examinee, and

wherein a respiratory information analysis device connectable to the garment selects one of outputs of the sensors of chest and abdominal.

18. (Currently Amended) A non-transitory computer readable medium having a program capable of causing a computer to perform as a cardiogram analysis device including:

electric information acquisition means for acquiring electric information delivered from a plurality of respiratory information measuring sensors arranged on a ~~sheet~~garment for measuring biological information, the acquisition means including a conductive material varying its electric resistance according to variation of constitution of the examinee through breathing thereof under a turning-on-electricity state and capable of acquiring electric information based on the variation of electric potential and capable of delivering the information to a respiratory information analysis device;

electric information comparison means for comparing a plurality of the acquired electric information;

electric information selection means for selecting the respiratory information measuring sensors detecting a larger amplitude as electric information to be based on an output of

respiratory information in accordance with the comparison result of the electric information comparison means;

respiratory information analysis means for judging a variation cycle of the electric information detected with the respiratory information measuring sensors selected by the electric information selection means and analyzing respiratory information in accordance with the variation cycle; and

respiratory information output means for outputting respiratory information data in accordance with the analyzed respiratory information,

wherein the respiratory information measuring sensors are disposed at a perimeter of the chest and a perimeter of the abdominal in the garment,

wherein electric resistance of the respiratory information measuring sensor varies with expansion and contraction of one of the length and cross-section of conductive member in response to the examinee's breathing,

wherein the conductive member of the respiratory information measuring sensors are arranged at a position winding around vicinity of chest of the examinee and a position winding around vicinity of abdominal of the examinee, and

wherein a respiratory information analysis device connectable to the ~~sheet~~garment selects one of outputs of the sensors of chest and abdominal.

19. (Currently Amended) The respiratory information analysis device comprising:
according to claim 17,

electric information acquisition means for acquiring electrical information delivered from a plurality of respiratory information measuring sensors, said sensor arranged on a garment for measuring biological information;

electric information comparison means for comparing a plurality of amplitudes of the acquired electric information;

electric information selection means for selecting the respiratory information measuring sensors detecting a larger amplitude as electric information to be based on an output of respiratory information in accordance with the comparison result of the electric information comparison means;

respiratory information analysis means for judging a variation cycle of the electric information detected with the respiratory information measuring sensors selected by the electric information selection means and analyzing respiratory information in accordance with the variation cycle; and

respiratory information output means for outputting respiratory information data in accordance with the analyzed respiratory information,

wherein the respiratory information measuring sensors are disposed at a perimeter of the chest and a perimeter of the abdominal in the garment, wherein electric resistance of the respiratory information measuring sensor varies with expansion and contraction of one of the length and cross-section of conductive member in response to the examinee's breathing,

wherein the conductive member of the respiratory information measuring sensors are arranged at a position winding around vicinity of chest of the examinee and a position winding around vicinity of abdominal of the examinee,

wherein a respiratory information analysis device connectable to the garment selects one of outputs of the sensors of chest and abdominal, and

wherein the respiratory information analysis means further acquires information on a variation cycle of the electric information and information on an R-wave height cycle related to a variation cycle of R-wave height information of cardiogram based on electric potentials acquired from a cardiogram electrode and selects cycle information of either one and analyzes respiratory information in accordance with the selected cycle information.

20. (Previously Presented) The respiratory information analysis device according to claim 19,

wherein the respiratory information analysis means further acquires information on amplitude of the electric information and information on R-wave height amplitude related to amplitude of the R-wave height information and selects one of the electric information and the R-wave height information in accordance with comparison of the electric information and the R-wave height information and analyzes respiratory information in accordance with the selected cycle information.

21. (Previously Presented) The respiratory information analysis device according to claim 19,

wherein further the respiratory information analysis means display one of a position of the cardiogram electrode and a position of the respiratory information measuring sensor detecting the selected information correspondingly with one of a diagram of the biological information measuring garment and a diagram of the examinee's body.

22. (Currently Amended) A method of controlling a respiratory information analysis device comprising the steps of:

acquiring electric information delivered from a plurality of respiratory information measuring sensors capable of acquiring electric information based on the variation of electric potential, the sensor including a conductive material varying its electric resistance according to variation of constitution of an examinee through breathing thereof under a turning-on-electricity state;

comparing a plurality of amplitudes of the acquired electric potential information;

selecting the respiratory information measuring sensors detecting a larger amplitude as electric information to be based on an output of respiratory information in accordance with the comparison result; and

outputting respiratory information data in accordance with the analyzed respiratory information,

wherein the output of the selected sensors is used for analysis and the output of unselected sensor is not used for analysis,

wherein the respiratory information measuring sensors are disposed at a perimeter of the chest and a perimeter of the abdominal in the sheetgarment,

wherein electric resistance of the respiratory information measuring sensor varies with expansion and contraction of one of the length and cross-section of the conductive member in response to the examinee's breathing,

wherein the conductive member of the respiratory information measuring sensors are arranged at a position winding around vicinity of chest of the examinee and a position winding around vicinity of abdominal of the examinee, and

wherein a respiratory information analysis device connectable to the ~~sheet~~garment selects one of outputs of the sensors of chest and abdominal.

23. (New) A respiratory information analysis device comprising:

electric information acquisition means for acquiring electrical information delivered from a plurality of respiratory information measuring sensors, said sensor arranged on a sheet for measuring biological information;

electric information comparison means for comparing a plurality of amplitudes of the acquired electric information;

electric information selection means for selecting the respiratory information measuring sensors detecting a larger amplitude as electric information to be based on an output of respiratory information in accordance with the comparison result of the electric information comparison means;

respiratory information analysis means for judging a variation cycle of the electric information detected with the respiratory information measuring sensors selected by the electric information selection means and analyzing respiratory information in accordance with the variation cycle; and

respiratory information output means for outputting respiratory information data in accordance with the analyzed respiratory information,

wherein the respiratory information measuring sensors are disposed at a perimeter of the chest and a perimeter of the abdominal in the sheet, wherein electric resistance of the respiratory information measuring sensor varies with expansion and contraction of one of the length and cross-section of conductive member in response to the examinee's breathing,

wherein the conductive member of the respiratory information measuring sensors are arranged at a position winding around vicinity of chest of the examinee and a position winding around vicinity of abdominal of the examinee,

wherein a respiratory information analysis device connectable to the sheet selects one of outputs of the sensors of chest and abdominal, and

wherein the respiratory information analysis means further acquires information on a variation cycle of the electric information and information on an R-wave height cycle related to a variation cycle of R-wave height information of cardiogram based on electric potentials acquired

from a cardiogram electrode and selects cycle information of either one and analyzes respiratory information in accordance with the selected cycle information.

24. (New) The respiratory information analysis device according to claim 23, wherein the respiratory information analysis means further acquires information on amplitude of the electric information and information on R-wave height amplitude related to amplitude of the R-wave height information and selects one of the electric information and the R-wave height information in accordance with comparison of the electric information and the R-wave height information and analyzes respiratory information in accordance with the selected cycle information.

25. (New) The respiratory information analysis device according to claim 23, wherein further the respiratory information analysis means display one of a position of the cardiogram electrode and a position of the respiratory information measuring sensor detecting the selected information correspondingly with one of a diagram of the biological information measuring sheet and a diagram of the examinee's body.